

ABSTRACT OF THE DISCLOSURE

A continuous flow measurement recorder is provided for making water flow measurements in an open channel. An ultrasonic sensor obtains pressure head measurements upstream from a flume or weir located in the open channel. A central processing unit receives the head measurements from the sensor and calculates the water flow rate and the total flow. A liquid crystal display device displays the water flow rate and total water flow calculated by a central processing unit. A common, portable, easy to install housing is used to house and protect the sensor, central processing unit, and display device.

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